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The Tech

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CAMBRIDGE, MASS., WEDNESDAY, MARCH 27, 1918

Price Three Cents

UNTERSEE PLACES IN THE PRINCETON MEET

All Technology Entries Win Points—Team Handicapped by Absence of Wales—Princeton Team Scores Highest

FRESHMAN MEET SATURDAY

The intercollegiate individual swimming championships, which were held in the Brokaw Pool at Princeton showed the tiger watermen in front with two first places, two seconds, and two thirds. Captain Max Untersee of the Technology team tied Mayer of Yale for first place in the 100-yard dash. Mayer also showed his consistency in the 50-yard race for again it was a tie between these two men. There was an all-star field of competition and all the Technology men who took part placed. Wales, our plunger, was unable to compete on account of a motorcycle accident in which he was injured two days before the meet. The times were excellent in all cases and showed the qualities of the Technology men who competed.

Saturday next, the freshman team will meet English High. This is the first competition ever entered by a freshman swimming team and the chances for a win seem very bright. The English team is essentially a one man affair. Biddell, probably the best swimmer of interscholastic circles, is their star performer; he takes part in two swimming events as well as the relay, and dives. The yearling's chances in the plunge and 220-yard are very good and their well-balanced team should be a heavy point-getter. Captain Greene has beaten Kayser, who recently placed in the intercollegiates, in the 220-yard swim, while Shaw has been a valuable man in the fifty. The place of the meet has not yet been decided but it will probably be held in the Cambridge Y. M. C. A. The relay will be composed of W. H. Young, Jr., O. H. Trowbridge, J. E. Shaw, C. D. Greene, Captain Young and Shaw will enter the 50-yard, Trowbridge and Greene the 100 yard, Shaw and Skinner the dives, Winn and Lee the plunge.

ANNUAL SPRING TRACK MEET

TO BE HELD FRIDAY, APRIL 19
The Annual Spring Interclass Track Meet will take place 10:00 o'clock on April 19. This is one of the few things doing on any morning during Junior Week and should be well attended by all those who have girls in town for the holidays. On the attendance depends the success of the meet and in former years the number of spectators has been great. There will be cups for each event and prizes for each place. The main feature of the meet is probably the class relay races. The teams consist of four men, each man running 220 yards. The excitement furnished by these races in previous spring meets has been tense and promised to be so this time. Manager Talcott urges all the classes to be sure of their relay teams.

Entries may be made at the track house with Coach Kanaly before Wednesday night, April 17.

THE TECHNOLOGY CLUB OF PHILADELPHIA MEETS

The next meeting of the Technology Club of Philadelphia will be held on Wednesday evening, April 3. Mr. R. E. Page '06 of the Philadelphia Manufacturers Mutual Fire Insurance Co. will speak on "Fire Protection." The paper will be illustrated by lantern slides.

This meeting will be the annual meeting of the Club and officers for the ensuing year will be elected. There will be the usual informal dinner at 6:30 P.M. and meeting at 8:15 P.M. The April meeting will be followed by a meeting on May 1st, and the annual Field Day, the date which will be announced later. No meetings are scheduled for the summer months.

At the March meeting of the Club Mr. H. L. Moody '07, of the Westinghouse Co., gave a talk on Steam Turbines, Condensers and Mechanical Stokers. The paper described the various types of machines and was illustrated by lantern slides.

(Signed) N. A. White, Secretary.

TECHNOLOGY MONTHLY

The March issue of the Technology Monthly which is to be placed on sale some time during the latter part of this week probably Friday continues to show a marked improvement over the issues which appeared during the first term. This is probably due to the fact that more cuts, cartoons and short stories are used than formerly.

Of particular interest to the alumni as well as the undergraduates is the article on "The War Activities of Technology" by John Ritchie, Jr., and one entitled "Slippers" by Mrs. H. G. Pearson dealing with the activities of the women of Technology in supplying slippers to the soldiers in hospitals.

Two of Prof. Wilson's lectures at the Lowell Institute concerning the development of different types of aircraft particularly balloons are printed at length and besides being entertaining are highly instructive inasmuch as they deal with the aerial operations of the warring nations.

"Trench Writings" by Raymond Collier '20, contains many interesting excerpts and clippings from articles and letters written by the soldiers in the trenches. Some of these show unusual literary ability on the part of the writers.

The cartoons for the issue were drawn by Irwin Wills, '18 and one of the students of the naval aviation school. In addition to the cartoons there are seven squadrons of the army engineering school, the officers of the N. A. school and several divisions of the aviation school, and the boys of '20 drilling. The latter shows the old veterans executing military maneuvers with an antiquated cannon.

The cover portrays a niche in the President's garden and is finished in a color which blends wonderfully with the background. The frontispiece modulated somewhat on the style of all the other "cuts" gives a view of the dorms from the Charles River side.

TECHNIQUE 1920

Will Hold Competitions to Select Art Editors

A competition will be held for the purpose of selecting an Art Editor and an assistant Art Editor for the 1920 Technique. All competitors are requested to hand in their names and addresses at the Technique office this week.

The competition will close Monday, May 8. All drawings must be in at this date or they will not be counted in the competition. Promptness is essential as the ability to hold the job of Art Editor depends largely upon getting work done in a limited time.

The competition will consist of: 1. One full page in color for the section "Senior Portfolio." 2. One full page in half-tone for the section "Professional Societies." 3. Three headings in black and white for (a) Other Fraternities Represented at Technology, (b) Swimming, (c) Chemical Engineering Society.

Drawings should be of same general style as those of previous Technique, but originality as well as ability will be considered in the judgment.

Make full pages approximately 9 by 13 inches, and headings approximately 2 by 9 inches.

The committee in charge consists of A. L. Muller, K. Reed, and A. E. Grunfeld.

JUNIOR PROM

In spite of the abnormal conditions, the Junior Prom promises to be as great a success as usual. There was a mad rush for tickets on March 10 when the sign up opened, and two hundred and fifty were sold in the five days following. There are now twenty-five on the waiting list.

The Prom is to be held April 19 at the Copley Plaza. There will be an orchestra of fifteen pieces to furnish the music. Supper will be served in the grill room about twelve.

The second payment on the tickets will be due April 1, and the amount, \$5.00, must be paid before April 6.

CAST AND CHORUS OF TECH SHOW SELECTED

Coach Duncan Makes Final Cut at Last Rehearsal—Coldwell and Harrington May Appear in Specialty

CHANDLER LEADING MAN

The final cuts of the cast and chorus were made last week, prior to the Sunday pictures. Although several more or less unexpected changes were made, the decisions are now final and barring illness or accident, the cast of the show will be as follows.

Jack Wilder, the hero (a senior at Tech) Lester VanD. Chandler '19

Artie Choke, his irrepressible pal

Charles J. Parsons '19

Mr. James P. Barnes of New York

Christopher B. Nelson '21

Helen Barnes, his daughter (in love with

Jack Kenneth F. Akers '20

Mrs. James P. Barnes

Robert M. Felsenthal '21

Percy Pierce, Jack's rival,

Edward W. Booth '21

Gus Barnet, Percy's friend and accom-

paniment, Francis O. Wyse '19

Pussy Willow, a little surprise,

Frederick S. Britton '19

Mrs. Willow, a Quaker (Pussy's mother)

James J. Wolfson '20

Ambrose Hanson, Barnes' secretary,

Sherman A. MacGregory '18

Kanakoko, Barnes' Japanese valet,

Trevor Davidson '21

Jackson, butler at the Eta Biten Di

house, Philip A. Nelles '20

Red Cap, a master of life's ups and

downs, Henry G. Doyley '20

It will be noticed that the character of Con Burton has been removed in as much as his part was superfluous while Oswald, Barnes' valet, has undergone a change of nationality, from English to Japanese. Hanson, too, has undergone a change of name, he formerly having been designated as Morgan.

It is understood that Coldwell '19 of last year's show, will do a specialty with Harrington '18 the nature of which is to be announced later, so by rights their names should also appear in the cast list.

The chorus as finally selected is as follows:

Boys—H. Howland Fisk '19, Erwin R. Hermann '21, Donald A. Robbins '21, Marshall E. Pridmore '21, A. Warren Norton '21, Chester C. Stewart '19.

Girls—C. Coleman Carven '21, Bradford J. Clark '20, John W. Church '21, Lawrence H. Burnham '20, Sanford J. Hill '21, Dwight E. Stagg '21.

The personnel of the girls has not been changed, while there have been two or three changes among the boys. Both the cast and chorus as well as orchestra pictures were taken Sunday with what is thought excellent results. The orchestra was taken twice in group without instruments while the chorus was taken three times—twice in the conventional form, alternately boys and girls, and once with girls only grouped about the masculine Percy Pierce. As this was the first time the cast or chorus was in costume considerable difficulty was experienced by some with their clothes. However, the chorus looked very attractive and from all accounts was quite an improvement over last year.

The cast pictures consisted of about twenty scenes from the show as well as a complete group. Of the cast make-ups, that of Kanakoko and the Red Cap were particularly good. Proofs are expected soon and in all probability those who desire pictures will be able to get them. In this connection it may be said that the proof of the management picture is now in the show office and those who want copies will please sign their names and the number of prints desired on the back of the proof, which will be found in the second shelf of the book-case.

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PRESIDENT MACLAURIN TELLS ABOUT WORK OF COOPERATIVE COURSES

Speaks of Relations With Harvard in Report to Corporation—Declares Technology Can Stand Alone Financially

STATE SCHOLARSHIPS LOST

After chronicling the major events of administration of the past year, President Maclaurin, in his report to the members of the Corporation, speaks particularly of the trend of the times towards co-operation in education, especially in industrial matters. To illustrate how the Institute is participating in this general movement, President Maclaurin discusses at length the various courses now being given by Technology in connection with some of the large manufacturing corporations. The second phase of the subject which figures prominently in the report is the proposed co-operation with another educational institution, Harvard University.

President Maclaurin speaks of the first as "One of the encouraging signs of the times that has had a marked influence upon the Institute in recent years." The co-operation in chemical work between Technology and five large corporations, the Eastern Manufacturing Company in Bangor, Me., the New England Gas and Coke Company, at Everett, Mass., the Corborundum Company at Niagara Falls, N. Y., the American Synthetic Color Company at Stamford, Conn., and the Atlas Portland Cement Company, at Allentown, Pa., proved very successful. The plan was one of rotation of groups of students to the different establishments, sufficient time—about six weeks—being allowed in each place for the students to become reasonably familiar with the special work of the industry.

The students were chemists of good promise and Seniors in grade, so that the demand of the war for men of such training made it the patriotic duty of the students to undertake work for the Government. The courses were, therefore, temporarily given up, but in the time that they were on trial they answered a number of questions as to the practicability of such courses. The fear that there would be jealousy on the part of the employees at the factories proved to be groundless, the officers of the companies co-operated in every way, and all of the establishments expressed themselves desirous of taking up the work again when war conditions make it practicable.

The Director of the school, Professor W. H. Walker, now a Lieutenant-Colonel in the Chemical Corps, U. S. A., on whose capacity and tact the success of the undertaking was largely dependent, has felt constrained to accept an important position in the National Service, while most of his assistants, for the Institute maintained a school in each of the five places with a professor and an assistant, are also in Government work and, in fact, so are practically all of the students who

(Continued on page 2)

NEWS MEETING

There will be a meeting of all men connected with the news staff on Thursday at 1:05 o'clock in THE TECH office.

CALENDAR

Wednesday, March 27, 1918.
5:00 P. M. M. I. T. Orchestra rehearsal in the Caf.

7:15 P. M. Cast and Chorus combined rehearsal at Boston Opera House.

Thursday, March 28, 1918.
6:00 P. M. M. I. T. Orchestra rehearsal in the Caf.

7:00 P. M. Ballet rehearsal in N. E. Conservatory of Music.

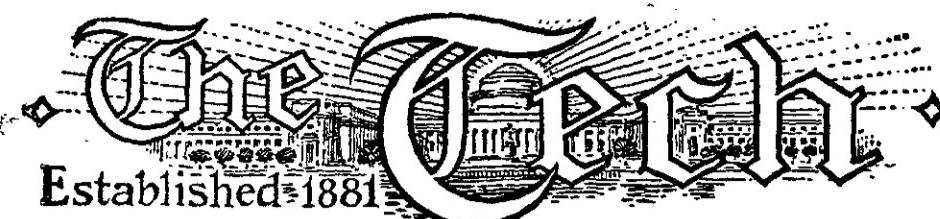
7:00 P. M. Cast and Chorus combined rehearsal at Boston Opera House.

Friday, March 29, 1918.
5:00 P. M. Combined Cast, Chorus, and M. I. T. Orchestra rehearsal in the Caf.

8:00 Show Management meeting in the Show office.

(Continued on page 4.)

(Continued on page 3)



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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

H. V. Howes '20.....Night Editor
R. H. Smithwick '21.....Assistant Night Editor

WEDNESDAY, MARCH 27, 1918

AN INTERNATIONAL UNIVERSITY

SUGGESTIONS have been made lately for a closer co-operation between England and America along lines of education. For a generation to come students will not look to Germany for their final polish, and something must be done to maintain the standard of professional accomplishment which was attained in the schools of our enemy.

An international university has been proposed as a solution to the problem. This university would be Anglo-American in character, and would be established at Plymouth, England, a fitting place as it was from here that the Mayflower sailed.

Why, however, should England be picked as the seat for the university rather than America?

Certainly, the fact that Americans have come to look upon European schools as the most fitting places to obtain the highest instruction along their chosen lines is no reason for our allowing this condition to continue.

Bring the question even closer home.

What could better form the nucleus of such an international university than the merger between Harvard and Technology?

When the proper form of co-operation is found, the Gordon McKay millions would supply funds for a scientific research school that would equal any to be found in Germany.

Harvard could strengthen her schools of medicine and law, while Technology could soon surpass the engineering school of any university in the world.

A merger of these older institutions would have far greater publicity than a new school, and would much sooner gain the confidence of students than a school which would be, at first, merely an experiment.

Furthermore, the cost of establishing an institution of the class proposed would be very great, while Harvard and Technology could be brought up to the required standard with comparatively little expense.

Why not have the international university in Cambridge, Massachusetts, instead of in Plymouth, England?

Think the matter over.

ONE COST OF THE WAR

"If these conditions do not improve, we must look for a contraction rather than an expansion of educational activities, or serious defects may result."

Thus spoke President MacLaurin in his report to the corporation, when referring to the fact that due to the war the Institute has lost revenue through diminution in the number of students and the increased cost of operation.

This state of affairs is true of all American colleges; in fact, it is true of educational institutions in all belligerent countries, which include nearly all of the most advanced nations in the world.

What is the inevitable result?

The progress of civilization will be retarded; the culture and intellectual understanding of the past decade will be lost.

Shall this penalty be added to the other costs of the war?

In order to prevent this the government might take further action regarding college students. It might even go so far as to exempt from military service the larger proportion of college students who are attending the leading universities and schools.

Such an action would surely bring no loss to the country, and would guarantee the country's future after the war.

Only eighty men in the Advance Battalion! Why don't some more of the upperclassmen show signs of life?



The Question Box has been inaugurated for SERVICE. So many questions have arisen, and so many doubts have been expressed among both the student body and the Alumni about the relations of Technology and Technologists to the war, that the WAR TIME TECH has deemed it advisable to establish a medium for clearing up these difficulties. It is strongly desired that neither the Alumni nor the undergraduates will hesitate to send in any questions that concern them directly or any that they think will be of benefit to Technology in common.

Address all inquiries to The Question Box Editor, The Tech. The name of the questioner will be withheld from publication, but each letter must be signed.

The Question Box is for YOU personally. Be sure you use it!

Question Box Editor,
The Tech.

Dear Sir:

In your February 22nd issue you reported a lecture delivered by Mr. A. H. Young before the Mechanical Engineering Society, and while I no longer have that issue of the Tech before me my recollection is that you made the statement that he was a director of the American Society for the Prevention of Accidents in New York City. Shortly afterwards I addressed a letter to this Society, and it is returned by the New York post office with the statement that they cannot locate them. Can you give me any more information as to the correct name and location of this Society?

Yours very truly,

H. P. J.
Mr. A. H. Young, who addressed the Mechanical Engineering Society toward the last of February may be found at 14 West 24th Street, care of the American Museum of Safety, New York City.

PRESIDENT'S REPORT

(Continued from page 1.)

were in this special course, which was called "Chemical Engineering Practice."

Although this matter has been given up temporarily, another plan which is similar in some aspects has been adopted for the present year and is now in operation. This is in the field of Electrical Engineering and involves intimate co-operation between the Institute and the General Electric Company. The fundamental idea is not new, presenting the old expedient of alternating experience in the shop and instruction in the classroom. The novelty is in the details and in the type of instruction to which the work is applied. The students who choose this course have five years of study leading to the Master's degree, instead of the usual four year course. Students may select the course at the end of the Sophomore year. The following three years are equally divided between the institute and the works of the General Electric Company at West Lynn, or elsewhere.

Students in training in this way receive a compensation which will leave a little balance after the institute fees are paid, and on finishing the instruction are free to accept other employment if they wish. Such courses involve considerable cost to the institute, and although in this instance the financial load has been removed for a while, the extension of such work brings with it some monetary problems.

"Much larger difficulties in the way of continued cooperation," states President MacLaurin, in speaking of the agreement with Harvard University, "are presented by the recent decree of the Supreme Court with reference to the agreement made some years ago between this institute and Harvard. That agreement marked an epoch in the history of educational progress in this country. The end sought was to build up an educational machine more useful to the community and to the nation than anything that could be maintained by either the Institute or the University, acting independently. The plan adopted by the two corporations nearly three years ago has in the meanwhile been put to the actual test of experience and has met that test well. Most, if not all, of the difficulties that were anticipated by some have either not presented themselves at all or have been easily overcome. The educational power both of the Institute and the University has been greatly strengthened and the cause of science that is applicable to the service of man greatly promoted by this combination of forces. Unfortunately, however, the funds that the University has at its disposal for the promotion of the great science of engineering are almost wholly dependent on the income from

(Continued on page 3)

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NEW FRONT A SCENE OF DEVASTATION, SAYS "PEN" BROOKS '17 IN LETTER HOME

Territory Occupied By Germans Is Riddled With Shell Holes—America Is Word Which Means Victory Eventually

The following is the second letter written by "Pen" Brooks '17, to his mother. Brooks is now a 1st lieutenant with the 101st Engineers in France.

In order to describe my last trip, which was to the real front, near C—, I should have to show you my pictures and really be there to talk.

We left P— about eight, arriving at our destination around midnight. We were put up in some old French barracks. At five we were awakened, and went to a clubhouse of officers located in the town, and there had a hunk of bread and two demi-tasses. The motor lorries were then ready, and we started off. My friend, Lt. Lapareau, placed me in his party, and again when the groups were sub-divided, I was one of the five with him.

We stopped at a dressing station, and proceeded from there on foot, as it was unwise to proceed further with the car. We had on our helmets, so of course, carried the ever-present gas mask.

A French officer met us here, and conducted us across a level plain toward the present first position. In going across this field, probably some mile wide, we went through the former position of the French and German before the great advance. Off to the left, I saw a hill occupied by the Germans. It was the first German territory I had seen. You can't have any conception, unless you actually see it, of the appearance of an area which has been subjected to heavy shelling. Shell holes are everywhere and often overlapping one another. These craters are from four feet in diameter, for the German 77 m.m. gun, to eight or ten or fifteen and twenty for larger calibre, and range in depth from three to eight feet or nine to twelve. The average I should say, as they appear on the ground, is about six feet across and four feet deep. Oftentimes it is necessary for long distances to walk up and down these shell holes as there is no ground left undisturbed. Shell splinters and unexploded shells are all about as well as many more unpeasant objects. We walked down a road which was being constructed, at night, of course, (all such work is done at night) by the help of a narrow gage track and train of cars. I could hear shells, shells go whistling through the air, some whining, some zweo, zweo, zweo, some sizzling; then the explosion, if it did not go off in the air.

They were not near us. How good it seemed to hear the French battle bang, bang, as they sent their missiles over the trenches.

As we reached the higher ground, the road ceased, and we took the communication trenches. The country here was solid chalk so the trenches were very devoid of the damnable mud which is in so many parts.

We visited the headquarters of the

PRESIDENT'S REPORT

(Continued from page 2)

the Gordon McKay Endowment, and the Supreme Court has decreed that this income cannot be applied in the manner indicated by the agreement.

"It remains to be seen," continues President MacLaurin, in regard to this important matter, "whether another plan can be drawn up that is equally or nearly equally, workable and effective as an educational instrument and that accords with the view of the Court regarding Mr. McKay's intentions. We should be false to our educational trust if we did not give this matter due consideration and earnestly seek a satisfactory way out. If intimate co-operation between these two institutions that accords with the view of the situation before the war, it is still more urgently demanded now. With the serious problems that this nation must face during the war and the equally serious problems that must be dealt with in the period of reconstruction thereafter, needless duplication of effort and needless dissipation of energy would be in a high degree reprehensible."

Important also are President MacLaurin's statements with reference to the financial consequence of an abandonment of the agreement with Harvard. "As far as the Institute is concerned in the near future," he says, "the abandonment of this agreement would be much less serious in its financial aspects than seems generally to be supposed. This arises from the fact that the actual amount of income available from the Gordon McKay Endowment

major of the battalion in research that particular bit of front. Strangely enough it was in the old support line of the Germans. It is surprising what comfortable places can be made even 25 or 30 feet below ground. Most of the large dugouts, all of those housing a battalion or more, are equipped with electricity, sometimes even having a piano.

Leaving here we continued up the trenches, passing the various support and reserve lines, the exact description I will admit for obvious reasons, and finally over the crest into the first line. Not a soul anywhere! A machine gun every now and then would spit out its put-put-put-put, and the shells go booming along, but not a soldier to be seen. Of course, there was plenty of equipment ready for instant action, but the friendly wire prevented against surprise, and out in the listening posts there were sentinels on watch for any activity of Fritz.

We were then about 40 meters from the Bosche line. Here we went down into one of the light shelters and stepped over the sleeping bodies of the garrison. Someone stirred "C'est ca c'est?" Another in a startled voice as he woke up "c'est ca c'est?" but it was not the Bosche, and all was quiet again. Sleep was necessary for they were expecting a raid through the night and all must be fresh and on the alert. The word was passed back as we went quietly along the line, that we were to go out to a listening post and to proceed softly and to be quiet. As we left the first line, and crept along the communication trench, I could see on the edges the heaps of wire. It had to be on the edge for out there it wasn't possible to make it farther off. It seemed a long way out there, a terrible long way, although it was only 15 meters. One at a time we stepped up on the step, and looked out on the German lines below, and not far below either. It seemed as though I could touch them. Down I dropped. It isn't wise to tempt Fritz too much! "Un cigarette" one of the Poilus begged, "Merci," they said, but they could not have enjoyed those three "cigarettes" a tenth as much as I did in supplying that bit of comfort to them.

We left them, they and the other soldiers, and went back to the rear. Three years of it, think what that means.

The English, in their sporting way, say "We're bally fell fed up." I think I know what that means. America that is the magic word here which means victory eventually, means home and loved ones to millions of men in blue and khaki.

"We would have blundered through somehow" the Englishman says; "France would be saved," the Frenchman says; but the ring in their voices when they both add "Victory is sure now" makes me proud to be here in the uniform of the United States.

has been greatly exaggerated in certain quarters. According to the testimony before the Court, all that the University has available at present is the income from less than two and one-quarter millions. Under the agreement Harvard does not turn any of this income over to the Institute, but appropriates a portion of it for the maintenance of courses leading to Harvard degrees, these courses being conducted at the Institute. The amount thus appropriated since the agreement went into operation has been \$100,000 annually, the major part of this having been employed in paying the salaries of the University's professors and instructors. The whole amount is less than one-tenth of the annual expenditure of the Institute. It must not be supposed therefore, that the Institute will be crippled financially if the agreement with the University is abandoned."

President MacLaurin shows that the Institute has been fortunate in the gifts to it during the past year, "Mr. Smith's" remarkable five to three offer having resulted in four millions, with another million from other sources. While this seems large in amount, it is not really so when one considers what the Institute must do to meet the demands of the country now and in the future, even in moderate measure.

"Only a little more than a year ago we built a great plant here and equipped it with elaborate and costly machinery. Now the building is crowded and the machinery in some of the departments at least is overtaxed. What we have done is merely a beginning, and if the Institute is to take a part commensurate with the immense importance of applied science amongst the nations of

tomorrow it will need vastly greater resources yet. Had it not been for war conditions the acquisitions to its treasury made during last year would have placed it in a strong position and enabled it to effect some large improvements. However, like many other schools in the country, the Institute has been hard hit by the war, partly through loss of revenue due to the diminution in the number of its students, and still more through the greatly increased cost of operation due to higher wages and enhanced price of materials. If these conditions do not improve we must look for a contraction rather than an expansion of educational activities, or serious difficulties may result."

President MacLaurin touches on the "anti-aid" amendment, saying that it is unfortunate that just at the time when there have been the war difficulties, the constitution of the State should have been changed so that it will be impossible for Technology to secure any appropriations from the Commonwealth after the expiration of the ten-year period fixed by the Act of 1911. It may even be somewhat uncertain that Technology receives the benefit of what they seemed to be assured. "I have said that this is unfortunate for the Institute," concludes Dr. MacLaurin, "but, of course, an educational institution such as this is a mere servant of the community, and it is the community that suffers if the Institute suffers."

T. C. A. ACTIVITIES

(Continued from page 1)

given opportunities to earn a little to help them through the school. This can not be so flourishing an activity at Technology as at some other institutions, in that the studies keep the students occupied the greater portion of the time.

The list of freshman advisers for next term is almost ready. There have been a hundred or more volunteers who will assist the new students in getting into the lines of their work as quickly as possible and prove to be true friends to young men coming to a strange place.

Another phase of the work of the Technology Christian Association is the publishing of the Student's Handbook, popularly known as the Tech Bible. As in former years the book will be presented free of charge to all students of the Institute at the beginning of next term. A call has already been issued for candidates for the various positions and the plans for the twenty-second edition were outlined at a meeting held last Friday. Only a few men showed up at this meeting and the T. C. A. is anxious to have more candidates to insure the success of the book. The committee in charge of publication will hereafter meet on Tuesdays and Fridays from 1:00 to 1:30 o'clock in the T. C. A. office, room 8-111. Men who wish to compete will have a better chance if they report at once. Conferences with experts in the advertising business will be held for the benefit of the men who enter that department.

A month hence, on April 26, 27, and 28, there will be a conference at the Institute of the presidents of college Christian Associations, the prime business of which will be to discuss the best use of the Christian Associations and their function towards increasing the efficiency of colleges in war preparation.

FINANCE REPORT

Below is given the third of the series of reports on the financial condition of the various undergraduate activities. For the present one report will be published in each number of THE TECH, and this practice will be continued as long as deemed advisable by the Finance Committee. The regulation of published reports now lies in the hands of the Finance Committee's Committee on Reports. The committee consists of W. Wyer, S. W. Fletcher and J. W. Reis, Jr.

CLASS OF 1921

Income statement, two months ending Feb. 28.

RECEIPTS

Balance Jan. 1.....\$157.10
Sale of tickets, junior freshman dinner 42.00

\$199.10

EXPENDITURES

Field Day exercises.....\$120.30
Balance, Feb. 28..... 78.80

\$199.10

BALANCE SHEET

ACCOUNTS PAYABLE

Junior freshman dinner.....\$60.75
Technique insert..... 25.00
Field Day expenses..... 41.15

\$126.90

Cash \$78.00

48.10

\$126.90

(Signed) J. H. McEvoy, Jr.
Treasurer.

W. Wyer,
Chairman Finance Committee.

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Here is a protest of a German soldier, an eye-witness of the slaughter of Russian soldiers:

"It was frightful, heartrending, as these masses of human beings were driven to destruction. Above the terrible thunder of the cannon could be heard the heartrending cries of the Russians: 'O Prussians! O Prussians!'—but there was no mercy. Our captain had ordered: 'The whole lot must die; so rapid fire.'

It is only because our French and British allies have held the line that such horrors have not been witnessed in New England.

THE THIRD LIBERTY LOAN
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GOVERNMENT NEEDS TRAINED MEN AND WOMEN

The following list of positions open to men and women with special training in physics, bacteriology, or meteorology was issued recently by the Intercollegiate Intelligence Bureau.

**Men Experienced in Meteorology and
as Physicists.**

Positions: Some seventy-five men each are wanted at once as meteorologists and physicists.

Age: Men of draft age preferred.

Qualifications: Men must be willing to be inducted into a special enlisted service where they will do scientific work.

Salary: No promises are made, but it is probable that the men chosen will become non-commissioned officers at least, and in some cases commissioned officers. The pay at the start will be that of an enlisted man with allowances for clothing, subsistence, etc.

Duties: The men will be sent to a special school for further study before being ordered to take up their special duties.

Special Notice To Adjutants

Adjutants will please give especial attention to this call and send in names and addresses only of men who they know have had experience in meteorology or as physicists.

Women Physicists Wanted.

Positions: A number of general physicists are needed at once in the Bureau of Standards, a Bureau doing very important Governmental war work.

Duties: Laboratory work in the new laboratories which are situated on the high ground overlooking the city in the residential part of Washington.

Qualifications: College graduates whose ability varies from (1) those having had courses that included at least one year of physics with sufficient laboratory practice to make them somewhat familiar with laboratory methods; to (2) those who are specialists in their line.

Salary: \$730 to \$1000 for the former \$1,000 to \$1300 for the latter. Some positions are permanent, some for the duration of the war.

Adjutants should send to this Bureau at once:

1. Letter of application from candidate giving (1) town, state, country and date of birth (2) detailed statement of training and experience (3) present position and salary (4) date when candidate could take up the work if appointed, three letters of recommendation, and a recent photograph of candidate.

2. Adjutant's own recommendation.

Women Bacteriologists.

Positions: A number of women bacteriologists are needed by the government.

Age: Over 22 years.

Duties: To take men's places in the cantonments and general hospitals in all parts of the United States.

Qualifications: Women who are qualified in diagnostic bacteriology and clinical pathology.

Salary: \$1200 and over.

As men bacteriologists are being withdrawn from the camps, cantonments and general hospitals of this country, there is, and will be, an increasing call for women to take their places in this line of work. Women are urgently needed now.

Adjutants should have candidates make applications on special application blank. Candidates should also send in two letters of recommendation laying special emphasis on their qualifications and experience for this particular work. It is also requested that candidates give the name and address of their nearest relative on the application blank.

Adjutants can obtain additional application blanks by writing to this Bureau.

TECH SHOW

(Continued from page 1)
chorus rehearsals either Saturday or Sunday of this week. Members of the M. I. T. Orchestra and ballet should find out at their next rehearsal whether or not they will have a rehearsal the end of the week.

On Saturday E. Rye '20 made the final cut of the Tech Show freshman stage competition. The men retained were: W. R. Barker, P. L. Hanson and S. Nixon. These men are now regular members of the show management and are expected to attend management meetings.

FOUND ARTICLES.

The following articles can be reclaimed by calling at the office of the Superintendent of Buildings and Power, room 3-005: One purple silk scarf, one gray and black striped silk scarf, one gray silk scarf, one blue woolen scarf, one pair kid gloves, one copy "Influence Diagrams," one copy "Abstract of German Grammar," one copy "French Grammar," one 25-trip ticket between Boston and West Newton, two small black handbooks, one Y. M. C. A. bundle check number 124-M, one brass protractor, and one celluloid protractor.

CLARENCE M. ELLIS '18 WINS ARCHITECTURAL SOCIETY PRIZE

Announcement has been made of the prizes awarded by the Boston Society of Architects in the recent triangular competition. Three bodies are interested in these awards, the Boston Architectural Club, Harvard University and Technology. Each one is entitled to one or more awards within its own students entering for the competition, so that the contest is after all not really triangular, but for all of the men the same subject is given out. This was an international rostrum in a facade. The assumption was made that an edifice to be erected in the National Capitol for the reception of important envoys and missions, requires a suitable place from which speakers may address larger audiences than a building may well accommodate. Such a rostrum should command a court of assembly, be readily accessible from the reception halls on the second floor and be a part of the building.

The \$30 prize for regular students at the Institute was awarded to Clarence M. Ellis '18, of North Attleboro, the prize of the same value and merit being awarded for Harvard to R. C. Roudebush, while the \$25 prize to the Club Members was given to T. F. McDonough. The prizes for special students were not awarded on account of the lack of candidates.

The jury selected by the Boston Society of Architects was composed of men having no connection with any of the schools taking part in the competition, and consisted of L. C. Newhall, Chairman; A. W. Wheelwright, E. S. Dodge, C. D. Maginnis, C. A. Coolidge and O. Faletor.

The drawings in the competition will be on exhibition at the Rogers Building on Boylston Street, during the week, from nine to six.

TECHNOLOGY WORKROOM

Bulletin Number 3, describing the work of the month of February begins with a list of four hundred and eighty-seven articles sent to this Technology Bureau, ranging in size from bath-robles to blanket pins and satisfying not only obvious wants like clothing and toilet articles, but also others more subtle, which can be met by such things as tea or "Technique." Next, thirty-two Technology men have received knitted garments or comforts; to another have been sent, for distribution among his command, two cases containing knitted garments, slippers, and toilet articles. Three hundred and sixteen books and magazines individually addressed have gone to Technology men. And meanwhile, the register of Technology men in service has amounted to nineteen hundred and sixty-two.

In answer to an appeal from the Red Cross, forty-eight mufflers were sent to the Northeastern Branch.

After four months of almost exclusive devotion to the needs of Technology men, the Workroom has definitely adopted the policy of giving to our Allies whatever of its time is not needed for our own men. During January and February it sent 335 garments for refugee women and children in Italy in her present desperate need are taken in charge by Mr. H. B. Russell, '94, now of the Executive Committee of the New England Fund for Italian War Relief, and are forwarded by him to three other Technology men, Maj. Guy Lowell, '94, Capt. Gorham Stevens '98, and Capt. Edgar I. Williams, '08, who hold positions in the Red Cross in Italy. The articles thus sent, during January and February, for the sick and wounded, for women and children, and for men in active service, amount to nearly fifteen hundred.

So tremendous is the need of the soldiers and refugees of Italy that the committee of Technology women who raised the funds for clothing French refugees have provided many of the things enumerated. It is greatly to be hoped that more money will come in to continue this work.

RIFLE CLUB

A list of the colleges and universities that Technology is shooting against might be interesting. They are as follows: Massachusetts Agricultural College Rifle Club, Iowa City College Rifle Club, New York State College of Forestry Rifle Club, M. I. T. Rifle Club, State University of Iowa Rifle Club, University of California Rifle Club, University of Tennessee Rifle Club, Princeton University Rifle Club, Columbia University Rifle Club, University of Vermont Rifle Club, Norwich Rifle Club, University of Chicago Rifle Club, University of Pennsylvania Rifle Club, Worcester Polytechnic Institute Rifle Club and University of West Virginia Rifle Club.

THE ENGINEER'S RISING STAR.

To discouraged engineers who have become pessimistic over the outlook, Frazer S. Keith, general secretary of the Canadian Society of Civil Engineers, bears good tidings in an address printed in "Engineering and Contracting" (Chicago). He tells them that the star of the engineering profession has risen above the horizon and that it is well started on its upward path of glory and eminence. Just as the past century was an era of material development, credit for which is largely due to the engineer, just so surely will the coming century see social conditions improved, and the group of men who wrought the former change will also be responsible for the greater change that is to come. Says Mr. Keith:

"The lawyer and the politician have admittedly failed to solve the industrial relations of man to man and the relations between capital and labor. The very qualifications of mind and training that have enabled the engineer so successfully to grasp and solve any problem set before him will be called upon and required to solve and to deal with what will be, after the war, the greatest problem which we have to face."

"We find already many of the executives of large industrial concerns being chosen from our own profession, and more and more will the men who have received a thorough training in technical matters be called to the high positions in industrial affairs. This will mean the opening up of a scope for the profession, giving rise to a future that will place the technical man in control of the industrial life of the nation. Coincident with that is arriving a condition whereby the engineer must, besides drawing plans and specifications give his advice in connection with financing of any industrial or engineering undertaking, so that the time is coming, and very soon, when the engineer, instead of receiving the reward that capital is willing to offer, will walk hand in hand with the capitalist on an equal footing, and will share in the rewards that the other has heretofore enjoyed."

In view of such enticing prospects and possibilities for the individual, this Canadian engineer wonders what limit there is to the development of the profession if its members can act in unison—

"Here we are, a powerful legion, with all the potential attributes of mind, heart, and soul to carry us to undreamed-of heights of eminence, and how far we shall rise as a profession is only limited by the minimum amount of effort which each and every one of us is prepared to give in connection with his fellows to make what is reasonably possible a living reality."

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